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<u>Goal 1.</u> Be able to identify, recognize, and discuss the different components of vulnerability and how they are measured (scientific basis).

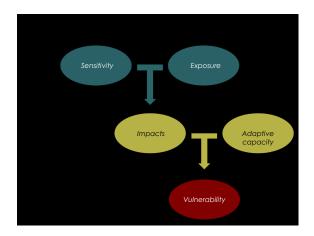
<u>Goal 2</u>. Recognize how to assess those components by comparing the data, tools, and models used in the assessment.

#### Vulnerability

Sensitivity – the degree to which the persistence or functioning of a species or system is dependent on climate or factors driven by climate

Exposure – the magnitude of the change in climate or climate driven factors that the species or system in question will likely experience

Adaptive capacity – the degree to which a species or system can change or respond to address climate impacts





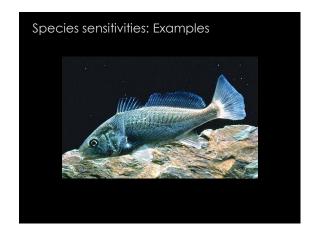


### Species' Sensitivities to Climate Change Physiological sensitivity Species' Sensitivities to Climate Change Physiological sensitivity Sensitive habitats and disturbance regimes Species' Sensitivities to Climate Change Physiological sensitivity Sensitive habitats and disturbance regimes Interspecific interactions

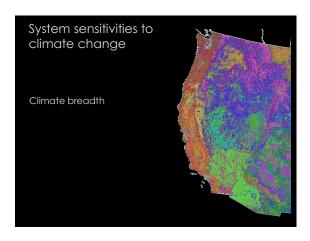
# Species' Sensitivities to Climate Change Physiological sensitivity Sensitive habitats and disturbance regimes Interspecific interactions Location and range

## Species' Sensitivities to Climate Change Physiological sensitivity Sensitive habitats and disturbance regimes Interspecific interactions Location and range Phenology

### Physiological sensitivity Sensitive habitats and disturbance regimes Interspecific interactions Location and range Phenology Additional stressors







#### System sensitivities to climate change Climate breadth Individual species sensitivities System sensitivities to climate change Climate breadth Individual species sensitivities Disturbance regimes System sensitivities to climate change Climate breadth Individual species sensitivities Disturbance regimes Other stressors

